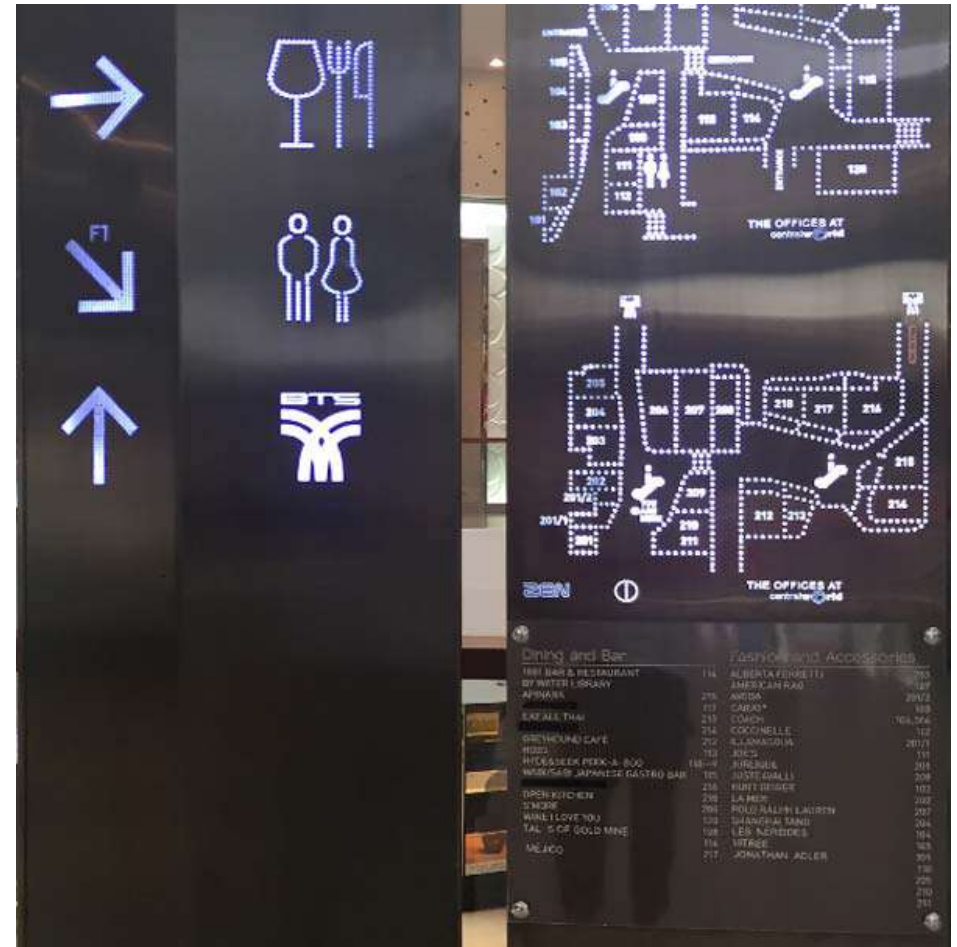


3D mid-air audio-haptic navigation for digital signage

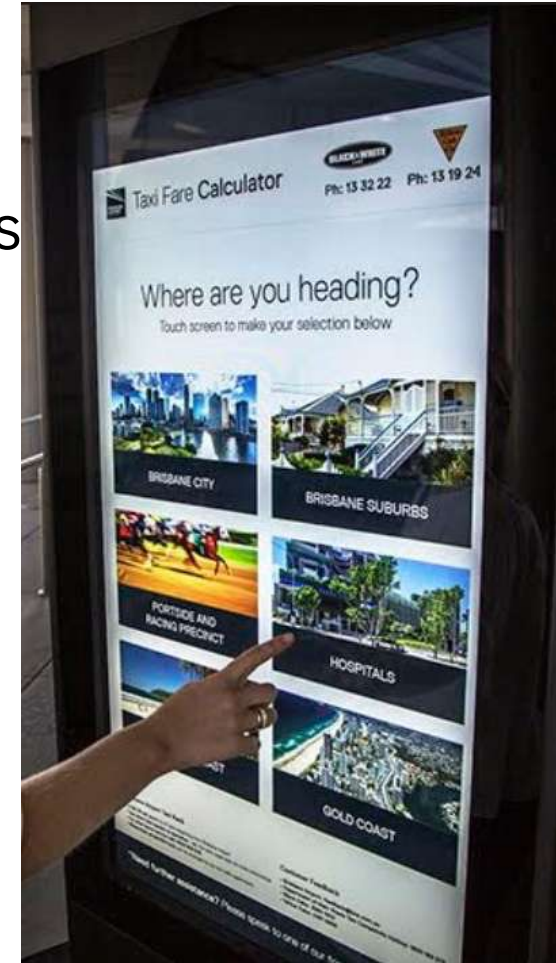
Can mid-air haptics can provide haptic information for digital signage navigation



3D mid-air audio-haptic navigation for digital signage

Why

- Increase interaction/engagement
- Support/engagement with users with disabilities
- Provide directions to specific locations
 - Restaurants
 - Pharmacy
 - Gate
- Provide further information about the location
 - Open/closed
 - Busy
 - Special features



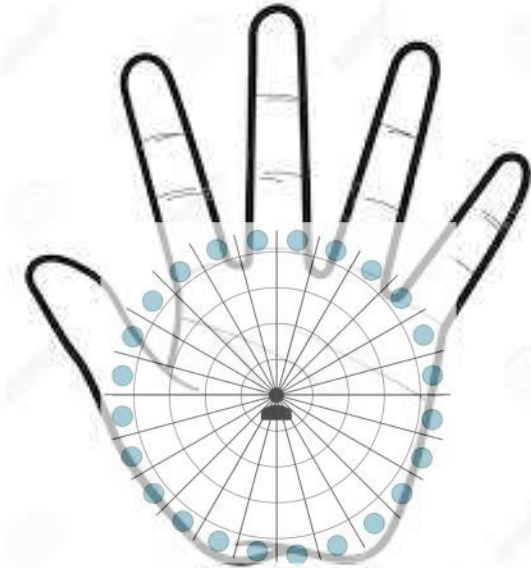
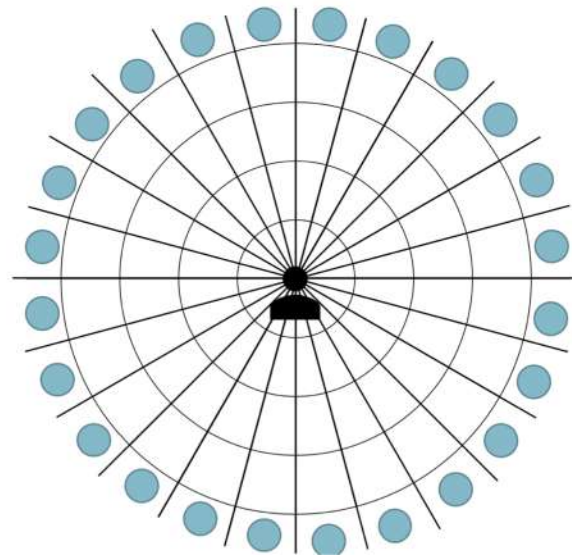
3D mid-air audio-haptic navigation for digital signage

How Work on progress

- How users identify location in space through their hands
- Relationship between mid-air haptics and binaural /ambisonics
- Understand what audio/haptic feedback works best
 - Impulsive sounds
 - Voice - Dialogue
 - Environmental sounds

3D mid-air audio-haptic navigation for digital signage

How Work on progress



3D mid-air audio-haptic navigation for digital signage

Thank you for listening